

U. S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: September 19, 1988

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837  
(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: W. Muszynski  
S. Luftig, EPA  
R. Salkie, EPA  
M. Randol, EPA  
ERD Washington  
J. Czapor, EPA  
G. Zachos, EPA  
B. Sprague, EPA  
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A. Cavalier, NJDEP  
M. Zalowski, NJDEP  
A. Zach, City of Newark  
R. Cahill, EPA  
TAT

POLREP NO.: Forty (40)  
INCIDENT/SITE NO.: Arkansas Chemical Company/T9  
POLLUTANT: Textile chemicals and intermediates  
CLASSIFICATION: Major  
SOURCE: Abandoned chemical facility  
LOCATION: Newark, New Jersey  
AMOUNT: 800 drums, 87 indoor and outdoor tanks  
containing oil, acid, and unknowns  
WATER BODY: None

1. SITUATION

- A. The Arkansas Chemical Company produced textile and other specialty chemicals at its Newark facility until it was abandoned in 1983. Abandoned on this site are a two-story office/laboratory building (Bldgs. 25/30), a machine shop (Bldg. 26), a small chemical processing building (Bldg. 27), a large four-story chemical process building (Bldg. 28), a boiler room/tank house (Bldgs. 16 & 16B), a storage building (Bldg. 24), and two sheds (S1 & S2). About 1500 drums and 20,000 small containers of chemicals were left at this site at the time of its abandonment. In addition, there are approximately 17 aboveground storage tanks and 70 process tanks/reaction vessels.

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## 2. ACTION TAKEN:

A. An estimated 22,600 gallons of liquid hazardous waste, 49,000 pounds of solid hazardous waste in drums and 660 cubic yards of solid hazardous waste in roll-offs have been disposed of from the site. Also, approximately 20,000 laboratory reagent bottles were disposed of.

cubic yards of solid waste have been disposed of. The following list represents the remaining materials that will require removal from the site and appropriate disposal:

1) Base/Neutral Sludges-2,000-3,000 gallons of sludge have been solidified and contained in drums. These drums will be shipped to ThermalKem on 09/19/88.

2) The nine wastes remaining from the lab packing operation include explosives, mercury compounds and PCBs. Alternate disposal methods for these items are under way.

3) All asbestos material has been stabilized and awaits final mitigation. Bids from four companies for asbestos removal have been received and reviewed. The contract was awarded to the low bid, Chem Waste Management of Bridgewater, Delaware.

4) Two ampules of radioactive waste, tritium and thorium nitrate, are stored in Building 16B. The Radiation Branch of the USEPA has been contacted and are in the process of obtaining the necessary permits for disposal.

5) Three tanks found to contain aqueous waste, and one formaldehyde tank were bulked in a 12K pool outside Building 28. The analytical report on the sample taken indicates disposal via wastewater treatment is appropriate. Disposal is tentatively scheduled for the week of 9/26/88.

6) Four drums of "P" waste rinse water, three drums of liquid stored in building 24 and seventeen drums of rinse water from floor decontamination will be disposed of as base/neutral liquids.

B. ERCS has completed the final decontamination stage of buildings 28 and 28B and has begun demobilization.

## 3. FUTURE PLANS AND RECOMMENDATIONS:

A. ERCS' partial demobilization is expected to be complete by the week ending Friday, 9/23/88.

B. Chem Waste Management is scheduled to start the asbestos removal operation on Monday, 9/26/88. The removal is estimated to take three weeks to complete.

E. Lindley Labs will visit the site on 9/26/88 to bid on the remaining tanks and equipment.

4. FINANCIAL ACCOUNTING:

A. Total Project Ceiling Authorized	3,554,000 \$ 3,552,009
B. Mitigation Contract Ceiling	\$ 2,781,000
C. Expenditures for Mitigation Contracts	
1. a. Amount obligated to ERCS contractor for Delivery Orders #6893-02-073 and #7445-02-008 (DCNs KCS - 361, 629, 633, 710, 726, 730, KE - 0001, 0027, 0035, 0044, 0045, 0083, 0101*, 0119, 0131) as of September 19, 1988	2,697,380 \$ 2,672,380
* This money was switched from contingency funds to the mitigation ceiling (\$50,000)	
1. b. Amount de-obligated due to contract roll-over	\$ 1,991
1. c. Total amount obligated to date	\$ 2,670,389
1. d. Estimated mitigation expenditures as of September 19, 1988	\$ 2,471,000
1. e. Balance Remaining	\$ 199,389
D. Unobligated Balance Remaining	\$ 110,611
E. Estimate of Total Expenditures to Date for All Mitigation Contracts	\$ 2,471,000
F. Other Extramural Costs as of September 19, 1988	
1. a. TAT Salary/Travel (estimated)	\$ 119,450
b. Analytical Costs	\$ 6,628
(c. CURRENT TAT CEILING = 234,771)	
G. Intramural Costs as of September 19, 1988	
1. a. EPA (Estimated Direct and Indirect)	\$ 103,867
(b. CURRENT EPA CEILING = 161,380)	
H. Total Expenditures	\$ 2,694,317
Percent of Total Project Ceiling	75.8%

FINAL POLREP \_\_\_\_\_ POLREPS FORTHCOMING   X   SUBMITTED BY: \_\_\_\_\_

Mark P. Pane  
Mark P. Pane, OSC  
Response and  
Prevention Branch

DATE RELEASED: September 19, 1988